



Solve each problem.

Answers

- 1) Two companies are selling electricity by Kilo-watt hour. The cost of electricity for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x kilowatt hours.

Company A

Total Kilowatt-Hours	Total Cost (\$)
1315	105.20
1304	104.32

Company B

$$y = 0.08x$$

1. _____

2. _____

3. _____

Find the total cost in dollars of buying 1,254 kilowatt hours of electricity from the cheapest company.

- 2) Two companies are selling beef jerky by the pound. The cost of jerky for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x pounds of jerky.

Company A

Total Pounds	Total Cost (\$)
11	286.00
14	364.00

Company B

$$y = 30.00x$$

Find the total cost in dollars of buying 11 pounds of jerky from the more expensive company.

- 3) Two contractors are bidding on building a house. Contractor A's price is represented in the table below. Contractor B's price is represented by an equation, with y representing the total price and x representing the square feet of the house.

Contractor A

Square Feet	Total Price (\$)
1869	214,935
1423	163,645

Contractor B

$$y = 116x$$

What is the difference in the price per square foot between contractor A and contractor B?



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Total Kilowatt-Hours	Total Cost (\$)
1315	105.20
1304	104.32

$$y = 0.08x$$

Company B

$$y = 0.08x$$

Find the total cost in dollars of buying 1,254 kilowatt hours of electricity from the cheapest company.

- 2) Two companies are selling beef jerky by the pound. The cost of jerky for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x pounds of jerky.

Company A

Total Pounds	Total Cost (\$)
11	286.00
14	364.00

$$y = 26.00x$$

Company B

$$y = 30.00x$$

Find the total cost in dollars of buying 11 pounds of jerky from the more expensive company.

- 3) Two contractors are bidding on building a house. Contractor A's price is represented in the table below. Contractor B's price is represented by an equation, with y representing the total price and x representing the square feet of the house.

Contractor A

Square Feet	Total Price (\$)
1869	214,935
1423	163,645

$$y = 115x$$

Contractor B

$$y = 116x$$

What is the difference in the price per square foot between contractor A and contractor B?

Answers1. **100.32**2. **330**3. **1**